

What Is Claimed:

1. A light duty liquid dishwashing composition with suspended nanoparticles of zinc oxide which comprises approximately by weight:

(a) 0 to 20% of an alkali metal or ammonium salt of a C₈-18 ethoxylated alkyl ether sulfate surfactant and/or a C₈-18 alkyl sulfate surfactant;

(b) 5% to 30% of an alkaline earth metal or alkali metal salt of an anionic C₉-C₁₈ alkyl benzene sulfonate surfactant;

(c) 0.01% to 1% of said solid particles of said zinc oxide of a particle size ranging between 5 and 2000 nm; and

(d) the balance being water.

2. The composition of Claim 1 further including an amine oxide surfactant.

3. The composition of Claim 2 further including an alkyl polyglucoside surfactant.

4. The composition of Claim 3, further including at least one solubilizer which is selected from the group consisting of sodium, potassium and ammonium salts of cumene, xylene and toluene sulfonates, C₁-C₄ alkanols, glycerol, ethylene glycol, diethylene glycol and propylene glycol and mixtures thereof.

5. The composition of Claim 4, wherein said solubilizer is sodium xylene sulfonate and ethanol.

6. The composition of Claim 4, further including a magnesium inorganic acid.

7. A cleaning composition for all purpose cleaners, light duty liquids, shampoos, foam baths, liquid hand soaps, shower gels, liquid skin cleansing products and fine fabric detergents, dishware bars, dishware paste which comprises approximately by weight:

(a) 1% to 50% of at least one surfactant selected from the group consisting of sulfonated anionic surfactants, sulfated anionic surfactants, phosphated anionics, ether alkyl carboxylates, zwitterionic surfactants, C₁₂-C₁₄ alkanol amide surfactants, amine oxide surfactants, ethoxylated nonionic surfactants, ethoxylated/propoxylated nonionic

surfactants and alkyl polyglucoside surfactants and mixtures thereof wherein, at least, one of the surfactants is an anionic surfactant;

(b) 0.01% to 1% of Nano-particulates of zinc oxide which function as an anti-irritant system for the surfactants; and

5 (c) the balance being water.

8. The composition of Claim 7, further including at least one solubilizer which is selected from the group consisting of sodium, potassium, and ammonium salts of cumene, toluene and xylene sulfonates, C₁-C₄ alkanols, glycerol, ethylene glycol, diethylene glycol and propylene glycol and mixtures thereof.